



## Protecting health from climate change: Global research priorities

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<b>Author(s):</b>	World Health Organization (WHO)
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### Abstract:

Weather and climate affect the key determinants of human health: air, food and water. They also influence the frequency of heatwaves, floods and storms as well as the transmission of infectious diseases. In addition, policies to mitigate climate change (for example in the energy, transport or urban planning sectors) have a direct and important influence on health, for example through effects on local air pollution, physical activity, or road traffic injuries. In order to guide research in this field, WHO carried out a global consultation. Experts on climate change, health and related disciplines produced background reports covering each of the themes identified by the WHA Resolution, as well as an additional report on how to support research in this field.4–9 This was followed by an online consultation, and a three-day workshop attended by over 70 leading researchers, health practitioners, and representatives of funding bodies and other United Nations (UN) agencies. This report presents the conclusions and recommendations from this process, with the aim of improving the evidence base for policies to protect health from climate change. --Excerpted text.

**Source:** <http://www.who.int/globalchange/publications/9789241598187/en/>

### Resource Description

#### Communication: ☒

resource focus on research or methods on how to communicate or frame issues on climate change; surveys of attitudes, knowledge, beliefs about climate change

A focus of content

#### Communication Audience: ☒

audience to whom the resource is directed

Researcher

#### Early Warning System: ☒

resource focus on systems used to warn populations of high temperatures, extreme weather, or other elements of climate change to prevent harm to health

A focus of content

#### Exposure : ☒

weather or climate related pathway by which climate change affects health

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Air Pollution, Ecosystem Changes, Extreme Weather Event, Food/Water Quality, Food/Water Security, Food/Water Security, Indoor Environment, Precipitation, Temperature

**Air Pollution:** Ozone, Particulate Matter, Other Air Pollution

**Air Pollution (other):** NOx; SOx

**Extreme Weather Event:** Drought, Flooding, Hurricanes/Cyclones

**Food/Water Quality:** Other Water Quality Issue

**Water Quality (other):** Water temperature

**Food/Water Security:** Agricultural Productivity, Food Access/Distribution, Nutritional Quality

**Temperature:** Extreme Heat, Fluctuations

**Geographic Feature:** ☐

resource focuses on specific type of geography

None or Unspecified

**Geographic Location:** ☐

resource focuses on specific location

Global or Unspecified

**Health Co-Benefit/Co-Harm (Adaption/Mitigation):** ☐

specification of beneficial or harmful impacts to health resulting from efforts to reduce or cope with greenhouse gases

A focus of content

**Health Impact:** ☐

specification of health effect or disease related to climate change exposure

Cancer, Cardiovascular Effect, Developmental Effect, Diabetes/Obesity, Infectious Disease, Injury, Morbidity/Mortality, Respiratory Effect

**Developmental Effect:** Cognitive/Neurological

**Infectious Disease:** Foodborne/Waterborne Disease, General Infectious Disease, Vectorborne Disease

**Foodborne/Waterborne Disease:** General Foodborne/Waterborne Disease, Other Diarrheal Disease

**Vectorborne Disease:** General Vectorborne

**Intervention:** ☐

strategy to prepare for or reduce the impact of climate change on health

A focus of content

**Mitigation/Adaptation:** ☐

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mitigation or adaptation strategy is a focus of resource

Adaptation, Mitigation

### **Model/Methodology:**

type of model used or methodology development is a focus of resource

Cost/Economic, Methodology

### **Resource Type:**

format or standard characteristic of resource

Research Article

### **Resilience:**

capacity of an individual, community, or institution to dynamically and effectively respond or adapt to shifting climate impact circumstances while continuing to function

A focus of content

### **Timescale:**

time period studied

Time Scale Unspecified

### **Vulnerability/Impact Assessment:**

resource focus on process of identifying, quantifying, and prioritizing vulnerabilities in a system

A focus of content